



33375

PATENT TRADEMARK OFFICE

ABSTRACT

An aluminum metal-core weld wire, the sheath being aluminum, the metal-core having a composition that contains primarily metallic alloying powders e.g. manganese nitride and/or barium. A method for manufacturing aluminum metalcore wire, the method including depositing a core composition onto strip of aluminum, forming strip of aluminum into a tube containing core composition, and applying an inorganic lube to surface of tube, and drawing tube through reducing dies.